



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE R	PAGE OF PAGES 1   8
2. AMENDMENT/MODIFICATION NO. P00046	3. EFFECTIVE DATE 06-Dec-2014	4. REQUISITION/PURCHASE REQ. NO. N0060408ROSBS	5. PROJECT NO. (If applicable)	
6. ISSUED BY CODE NAVSUP FLC PEARL HARBOR 1942 GAFFNEY ST. STE. 100 ATTN: KYONG YU PEARL HARBOR HI 96860	CODE N00604	7. ADMINISTERED BY (If other than item 6) CODE NAVSUP FLC PEARL HARBOR 1942 GAFFNEY ST. STE 100 ATTN: JUDITH MOORE PEARL HARBOR HI 96860-4549	CODE N00604	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) MANU KAI, LLC 1600 KAPIOLANI BLVD STE 530 HONOLULU HI 96814-3805			9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			X 10A. MOD. OF CONTRACT/ORDER NO. N00604-09-D-0001	
			X 10B. DATED (SEE ITEM 13) 07-Oct-2008	
CODE 4T6D9 FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.103(a) Bilateral				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: npzky01153157 See continuation page.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print) [Redacted]		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Judith L. Moore TEL: 808-335-4731 EMAIL: judith.moore1@navy.mil		
[Redacted] (Signature of person authorized to sign)		15C. DATE SIGNED 4 DEC 2014	16B. UNITED STATES OF AMERICA BY [Redacted] (Signature of Contracting Officer)	16C. DATE SIGNED 04DEC2014



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE R		PAGE OF PAGES 1   8	
2. AMENDMENT/MODIFICATION NO. P00046		3. EFFECTIVE DATE 06-Dec-2014		4. REQUISITION/PURCHASE REQ. NO. N0060408ROSBOS		5. PROJECT NO.(If applicable)	
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8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) MANU KAI, LLC 1600 KAPIOLANI BLVD STE 530 HONOLULU HI 96814-3805				9A. AMENDMENT OF SOLICITATION NO.			
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CODE 4T6D9		FACILITY CODE					
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X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.103(a) Bilateral							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: npzkhy01153157 See continuation page.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) JUDITH L. MOORE / SUPERVISORY CONTRACT OFFICER TEL: 808-335-4731 EMAIL: judith.moore@navy.mil			
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY [REDACTED] (Signature of Contracting Officer)		16C. DATE SIGNED 04-Dec-2014	

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

## SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

MODIFICATION P00046

The purpose of this modification is to replace the Weapon Retriever Boat 101 (WRB-101) with the Multi-Purpose Craft 3 (MPC-3) resulting in the following:

- a. Revision to the Performance Work Statement (PWS) for Annex 31 revision.
- b. Revision to the Contract Data Requirements List (CDRL) A31-05.
- c. Increase in contract price and available award fee pool.
- d. Temporary waiver in the requirement for Boat Monitoring under PWS Spec Item 3.01.01.09 for only the new MPC-3 until a boat monitoring system is installed. Once installed, this temporary waiver will automatically be cancelled.

The following have been modified:

SECTION J ATTACHMENT CHANGES

ATTACHMENT NO.	TITLE	PAGES
JC-1	Performance Work Statement (PWS) – Annexes 1-33	
	<b>Revised Annex 31, Marine Systems</b>	
	<b>Revised Section C, Performance Work Statement</b>	<b>18</b>
	<b>Revised CDRL A31-05</b>	<b>3</b>

## SECTION A - SOLICITATION/CONTRACT FORM



The total cost of this contract was increased by [REDACTED] from [REDACTED] (EST) to [REDACTED] (EST).

## SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0602

The estimated/max cost has increased by [REDACTED] from [REDACTED] to [REDACTED].

The award fee has increased by [REDACTED] from [REDACTED] to [REDACTED].



The total cost of this line item has increased by [REDACTED] from [REDACTED] to [REDACTED].

CLIN 0604

The estimated/max cost has increased by \$3,415.00 from \$23,731,432.00 to \$23,734,847.00.

The award fee has increased by \$342.00 from \$2,373,142.00 to \$2,373,484.00.

The total cost of this line item has increased by \$3,757.00 from \$26,104,574.00 to \$26,108,331.00.

CLIN 0702

The estimated/max cost has increased by [REDACTED] from [REDACTED] to [REDACTED].

The award fee has increased by [REDACTED] from [REDACTED] to [REDACTED].

The total cost of this line item has increased by [REDACTED] from [REDACTED] to [REDACTED].

CLIN 0704

The estimated/max cost has increased by \$4,102.00 from \$24,894,802.00 to \$24,898,904.00.

The award fee has increased by \$410.00 from \$2,489,480.00 to \$2,489,890.00.

The total cost of this line item has increased by \$4,512.00 from \$27,384,282.00 to \$27,388,794.00.

CLIN 0802

The estimated/max cost has increased by [REDACTED] from [REDACTED] to [REDACTED].

The award fee has increased by [REDACTED] from [REDACTED] to [REDACTED].

The total cost of this line item has increased by [REDACTED] from [REDACTED] to [REDACTED].

CLIN 0804

The estimated/max cost has increased by \$4,106.00 from \$26,147,629.00 to \$26,151,735.00.

The award fee has increased by \$411.00 from \$2,614,763.00 to \$2,615,174.00.

The total cost of this line item has increased by \$4,517.00 from \$28,762,392.00 to \$28,766,909.00.

CLIN 0902

The estimated/max cost has increased by [REDACTED] from [REDACTED] to [REDACTED].

The award fee has increased by [REDACTED] from [REDACTED] to [REDACTED].

The total cost of this line item has increased by [REDACTED] from [REDACTED] to [REDACTED].

CLIN 0904

The estimated/max cost has increased by \$3,081.00 from \$27,664,409.00 to \$27,667,490.00.

The award fee has increased by \$308.00 from \$2,766,440.00 to \$2,766,748.00.

The total cost of this line item has increased by \$3,389.00 from \$30,430,849.00 to \$30,434,238.00.

The following have been modified:

REVISED ELIN SCHEDULE



**OPTION PERIOD 6 / OCTOBER 1, 2014 - SEPTEMBER 30, 2015**  
**(FY2009 BASELINE)**

ELIN	Annex	Description	Quantity	Unit Price	Amount			
H001	3	Bachelor Quarters - 1402000						
H002	4	Fire and Emergency Services - 0402000						
H003	5	Custodial Services - 1503010						
H004	6	Electrical - 1602000						
H005	7	Grounds Maintenance - 1503050						
H006	8	Compressed Air - 0800000						
H007	9	Wastewater - 1604000						
H008	10	Water - 1606000						
H009	11	Solid Waste Management - 1503030						
H010	12	Base Support Vehicles and Equipment - 1700000						
H011	14	Buildings and Structures - 1502000						
H012	17	Environmental - 1800000						
H013	19	Food Service - 2000000						
H014	21	Base Communications Systems - 2100000						
H015	24	Pest Control - 1503020						
H016	26	Security Operations - 0401060						
H031	33	Dispatch						
CLIN 0601	FIXED PRICE							
	MAX AWARD FEE							
	MAX NET AMOUNT							
ELIN	Annex	Description			Amount			
H017	13	Airfield Facilities - 0501050						
H018	15	Range Communication Systems - 1500000						
H019	16	Data Systems - 1600000						
H020	18	Facilities and Systems Engineering - 3400000						
H021	20	Aircraft Refueling and Fuel Management - 0501030						
H022	22	Launch Ordnance Systems - 2300000						
H023	23	Measurement Systems - 2400000						
H024	25	Range Operations - 2500000						
H025	27	Technical Directive Work Requests - 2700000						
H026	28	Supply and Logistics Support - 3000000						
H027	29	Optics - 2900000						
H028	30	Electronic Systems - 3200000a						
H029	31	Marine Systems - 3100000b						
H030	32	Aerial Target Systems - 3200000c						
CLIN 0602	MAX COST							
	MAX AWARD FEE							
	TOTAL MAX COST + FEE							
CLIN 0603								
	FIXED PRICE							
	MAX AWARD FEE							
	MAX NET AMOUNT							
CLIN 0604								
	MAX COST				\$23,734,847.00			
	MAX AWARD FEE				\$2,373,484.00			
	TOTAL MAX COST + FEE				\$26,108,331.00			



**OPTION PERIOD 7 / OCTOBER 1, 2015 - SEPTEMBER 30, 2016**  
**(FY2009 BASELINE)**

ELIN	Annex	Description	Quantity	Unit Price	Amount
I001	3	Bachelor Quarters - 1402000			
I002	4	Fire and Emergency Services - 0402000			
I003	5	Custodial Services - 1503010			
I004	6	Electrical - 1602000			
I005	7	Grounds Maintenance - 1503050			
I006	8	Compressed Air - 0800000			
I007	9	Wastewater - 1604000			
I008	10	Water - 1606000			
I009	11	Solid Waste Management - 1503030			
I010	12	Base Support Vehicles and Equipment - 1700000			
I011	14	Buildings and Structures - 1502000			
I012	17	Environmental - 1800000			
<del>I013</del>	<del>19</del>	<del>Food Service - 2000000</del>			
I014	21	Base Communications Systems - 2100000			
I015	24	Pest Control - 1503020			
I016	26	Security Operations - 0401060			
I031	33	Dispatch			
CLIN 0701	FIXED PRICE				
	MAX AWARD FEE				
	MAX NET AMOUNT				
ELIN	Annex	Description			Amount
I017	13	Airfield Facilities - 0501050			
I018	15	Range Communication Systems - 1500000			
I019	16	Data Systems - 1600000			
I020	18	Facilities and Systems Engineering - 3400000			
I021	20	Aircraft Refueling and Fuel Management - 0501030			
I022	22	Launch Ordnance Systems - 2300000			
I023	23	Measurement Systems - 2400000			
I024	25	Range Operations - 2500000			
I025	27	Technical Directive Work Requests - 2700000			
I026	28	Supply and Logistics Support - 3000000			
I027	29	Optics - 2900000			
I028	30	Electronic Systems - 3200000a			
I029	31	Marine Systems - 3100000b			
I030	32	Aerial Target Systems - 3200000c			
CLIN 0702	MAX COST				
	MAX AWARD FEE				
	TOTAL MAX COST + FEE				
CLIN 0703					
	FIXED PRICE				
	MAX AWARD FEE				
	MAX NET AMOUNT				
CLIN 0704					
	MAX COST				\$24,898,904.00
	MAX AWARD FEE				\$2,489,890.00
	TOTAL MAX COST + FEE				\$27,388,794.00





**OPTION PERIOD 8 / OCTOBER 1, 2016 - SEPTEMBER 30, 2017**  
**(FY2009 BASELINE)**

ELIN	Annex	Description	Quantity	Unit Price	Amount
J001	3	Bachelor Quarters - 1402000			
J002	4	Fire and Emergency Services - 0402000			
J003	5	Custodial Services - 1503010			
J004	6	Electrical - 1602000			
J005	7	Grounds Maintenance - 1503050			
J006	8	Compressed Air - 0800000			
J007	9	Wastewater - 1604000			
J008	10	Water - 1606000			
J009	11	Solid Waste Management - 1503030			
J010	12	Base Support Vehicles and Equipment - 1700000			
J011	14	Buildings and Structures - 1502000			
J012	17	Environmental - 1800000			
J013	19	Food Service - 2000000			
J014	21	Base Communications Systems - 2100000			
J015	24	Pest Control - 1503020			
J016	26	Security Operations - 0401060			
J031	33	Dispatch			
CLIN 0801	FIXED PRICE				
	MAX AWARD FEE				
	MAX NET AMOUNT				
ELIN	Annex	Description			Amount
J017	13	Airfield Facilities - 0501050			
J018	15	Range Communication Systems - 1500000			
J019	16	Data Systems - 1600000			
J020	18	Facilities and Systems Engineering - 3400000			
J021	20	Aircraft Refueling and Fuel Management - 0501030			
J022	22	Launch Ordnance Systems - 2300000			
J023	23	Measurement Systems - 2400000			
J024	25	Range Operations - 2500000			
J025	27	Technical Directive Work Requests - 2700000			
J026	28	Supply and Logistics Support - 3000000			
J027	29	Optics - 2900000			
J028	30	Electronic Systems - 3200000a			
J029	31	Marine Systems - 3100000b			
J030	32	Aerial Target Systems - 3200000c			
CLIN 0802	MAX COST				
	MAX AWARD FEE				
	TOTAL MAX COST + FEE				
CLIN 0803	FIXED PRICE				
	MAX AWARD FEE				
	MAX NET AMOUNT				
CLIN 0804	MAX COST				\$26,151,735.00
	MAX AWARD FEE				\$2,615,174.00
	TOTAL MAX COST + FEE				\$28,766,909.00

**OPTION PERIOD 9 / OCTOBER 1, 2017 - JUNE 30, 2018**

(FY2009 BASELINE)

ELIN	Annex	Description	Quantity	Unit Price	Amount			
K001	3	Bachelor Quarters - 1402000						
K002	4	Fire and Emergency Services - 0402000						
K003	5	Custodial Services - 1503010						
K004	6	Electrical - 1602000						
K005	7	Grounds Maintenance - 1503050						
K006	8	Compressed Air - 0800000						
K007	9	Wastewater - 1604000						
K008	10	Water - 1606000						
K009	11	Solid Waste Management - 1503030						
K010	12	Base Support Vehicles and Equipment - 1700000						
K011	14	Buildings and Structures - 1502000						
K012	17	Environmental - 1800000						
K013	19	Food Service - 2000000						
K014	21	Base Communications Systems - 2100000						
K015	24	Pest Control - 1503020						
K016	26	Security Operations - 0401060						
K031	33	Dispatch						
CLIN 0901	FIXED PRICE							
	MAX AWARD FEE							
	MAX NET AMOUNT							
ELIN	Annex	Description			Amount			
K017	13	Airfield Facilities - 0501050						
K018	15	Range Communication Systems - 1500000						
K019	16	Data Systems - 1600000						
K020	18	Facilities and Systems Engineering - 3400000						
K021	20	Aircraft Refueling and Fuel Management - 0501030						
K022	22	Launch Ordnance Systems - 2300000						
K023	23	Measurement Systems - 2400000						
K024	25	Range Operations - 2500000						
K025	27	Technical Directive Work Requests - 2700000						
K026	28	Supply and Logistics Support - 3000000						
K027	29	Optics - 2900000						
K028	30	Electronic Systems - 3200000a						
K029	31	Marine Systems - 3100000b						
K030	32	Aerial Target Systems - 3200000c						
CLIN 0902	MAX COST							
	MAX AWARD FEE							
	TOTAL MAX COST + FEE							
CLIN 0903								
	FIXED PRICE							
	MAX AWARD FEE							
CLIN 0904	MAX COST				\$27,667,490.00			
	MAX AWARD FEE				\$2,766,748.00			
	TOTAL MAX COST + FEE				\$30,434,238.00			



(End of Summary of Changes)

<b>3100000b – Marine Systems</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
1	General Information	The Contractor shall operate and maintain all equipment installed on the range support craft and marine systems' equipment including temporary equipment installed for specific range operations.
1.01	Background Information	Marine Systems consist of the PMRF support craft, the Mobile Aerial Target Support System (MATSS), shops, and warehouses. The ship hulk targets are used by the fleet for weapons firing training and evaluation.
1.01.01	Port Allen Shore Facilities	Range boat operations are based at Port Allen, 18 miles from Barking Sands, adjacent to the communities of Eleele and Hanapepe on Kauai's south shore. Port Allen is a State of Hawaii Harbor Facility operating under the jurisdiction of the State Department of Transportation. Shore power, fresh water, and low pressure air are available at each range boat berth. Covered pier facilities include office space and shop facilities with additional storage located close by. The machine shop has the capabilities for Arc, Gas, TIG, and MIG welding and tools for pier side range boat equipment installations, and other projects as required by the government. Emergency berthing at a more protected pier in Nawiliwili Harbor is allowed during inclement weather.
1.01.01.01	Deleted – Reserved	

<b>3100000b – Marine Systems</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2	Management and Administration	
2.01	Definitions and Acronyms	
2.01.01	ASIT	At Sea Integration Test
2.01.02	Deleted - Reserved	
2.01.03	BARSTAR	Barking Sands Tactical Underwater Range
2.01.04	BSURE	Barking Sands Underwater Range Extended
2.01.05	CM	Corrective Maintenance
2.01.06	FTS	Flight Termination System
2.01.07	GPS	Global Positioning System
2.01.08	HF	High Frequency
2.01.09	INMARSAT	International Marine/Maritime Satellite
2.01.10	MATSS	Mobile At-Sea Sensor
2.01.11	MK-30	Underwater Submarine Target
2.01.12	MK-46/50	Light Weight Torpedoes
2.01.13	MK-48	Heavy Weight Torpedo
2.01.14	MRSS	Mobile Range Safety System
2.01.15	NISMO	Naval Inactive Ships Maintenance Organization
2.01.16	NSSC	Naval Submarine Support Command
2.01.17	OOC	Out of Commission
2.01.18	PM	Preventative Maintenance
2.01.19	POT	Pre-Operational Test
2.01.20	PSIT	Pier Side Integration Test
2.01.21	RF	Radio Frequency
2.01.22	SEPTAR	Seaborne Powered Targets
2.01.23	SHOTS	Stabilized High-accuracy Optical Tracking System
2.01.24	SIS	Source Integration Server
2.01.25	SUPSHIP	Supervisor of Shipbuilding
2.01.26	TM	Telemetry
2.01.27	TR	Torpedo Retriever
2.01.28	TRB	Torpedo Retriever Boat
2.01.29	TTL	Telescopic Target Launcher
2.01.30	MPC-2	Multi-Purpose Craft 2
2.01.31	UHF	Ultra High Frequency
2.01.32	VHF	Very High Frequency
2.01.33	VSAT	Very Small Aperture Terminal

<b>3100000b – Marine Systems</b>		
<b>Spec Item</b>	<b>Title</b>	<b>Description</b>
2.01.34	WB-COSIP	Wide Band-Coherent Signal Processor
2.01.35	Deleted - Reserved	
2.01.36	WRB-102	Weapon Retriever Boat 102
2.01.37	BOA	Beam Overall
2.01.38	LOA	Length Overall
2.01.39	MPC-3	Multi-Purpose Craft 3
2.02	Personnel	
2.02.01	MPC-2/MPC-3 and WRB-102 CAPTAIN	All require licenses and 10 years' experience recovering/launching MK30 targets and torpedoes. (MPC-2 and MPC-3 require a 200 ton license and WRB-102 requires a 100 ton license. The Contractor will ensure there are relief captains available with appropriate qualifications.)
2.02.02	Deleted – Reserved	
2.05	Records and Reports	Records and reports are listed in Section F of the solicitation. The Contractor shall submit accurate and complete documents electronically within the required timeframes.

<b>3100000b – Marine Systems</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3	Marine Systems	The Contractor shall operate and maintain assigned Marine Systems assets in support of Range Operations.	The surface craft shall be operated and maintained in accordance with applicable Navy, State, and Federal regulations.	100% shall be operated and maintained in accordance with applicable Navy, State, and Federal regulations.
3.01	PMRF Range Support Craft	The Contractor shall operate and maintain the support craft fleet.	<p>The PMRF support craft fleet consists of the 95' aluminum hulled MPC-2, 95' aluminum hulled MPC-3, and the 85' aluminum hulled WRB-102. The three boats are berthed at Port Allen. The primary mission of the PMRF range support craft is to support the range users. Operations include, but are not limited to, launch and recovery of MK-30 underwater targets, recovery of torpedoes, electronic warfare support, recovery of aerial targets, provide escort and personnel transfer for SEPTAR, boundary patrol during rocket launches, range/oceanographic tests using onboard equipment or other equipment installed onboard or towed, acoustic noise trials, and search and rescue. Operations can take place anywhere within the range of the boats, however, the majority of their support occurs on BARSTUR and BSURE. Two boats are regularly required to support range users. Operations are usually conducted between dawn and dusk; however, travel time between Port Allen and the operational area often requires nighttime marine systems support. The three range boats are in excellent condition and have, historically, been very reliable. All of the boats have twin propulsion and electrical power plants.</p> <p>One/two boat support required for 100% of the missions. (See CDRLs A31-01 - Pollution of Harbor Water/Fuel Spills Report; A31-02 - XBT and Recovery Log.; A31-03 – Torpedo</p>	<p>Provide range support for 100% of scheduled missions.</p> <p>Achieve a 0 mishap rate for safe boat operations with no damage to the boats, torpedoes or targets. (Mishap is defined as damage to a boat or target/torpedo in excess of \$100 or injury to personnel resulting in loss of work time).</p>

<b>3100000b – Marine Systems</b>				
<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			Operations Log; and A31-04 - Boat Log.)	
3.01.01	General Craft Services			
3.01.01.01	Identification and Submission of System Modifications	The Contractor shall identify improvements to system safety/efficiency or reduce overall maintenance/operation cost for the boat.	Includes the MPC-2, MPC-3, and WRB-102.	Documented suggested performance improvement or operational efficiency is improved.
3.01.01.02	Records Maintenance	The Contractor shall maintain all records of maintenance.	Ensure no changes are made to the MPC-2, MPC-3, and WRB-102 without required Navy approval. During major maintenance such as engine overhaul, records should be maintained of critical measurements, settings, clearance, etc.	No incident of an unauthorized change.  All records of maintenance are up to date within 30 days of the change or maintenance.
3.01.01.03	Maintenance and Replenishment of Spare Parts and Material	The Contractor shall maintain and replenish spare parts and materials. List of parts to be maintained should ensure 95% boat availability.	Secure storage areas at Port Allen to maintain ready spares.	There shall be no instance of craft non-availability due to failure to replenish parts or materials. Parts maintained will ensure 95% of the time boats are available (unless waived by task manager).
3.01.01.04	Guam Support	The Contractor shall provide support services to assist in the recovery of MK-30 Targets and Torpedoes. Anticipate four operations per year (increasing to eight by 2010) and each will require personnel in Guam for approximately 7 days. Actual boat operations and	Types of support includes, but are not limited to the launch and recovery of MK-30 targets and torpedoes, range/oceanographic tests using onboard equipment or other equipment installed onboard or towed, search and rescue, and personnel transfers. Current Guam boat is the 95 foot MPC-1. Operations can take place in the open ocean operational areas off the Naval Station in Guam. During scheduled Guam operations the Contractor is	Provide range support for 100% of scheduled missions.  Achieve a 0 mishap rate for safe boat operations with no damage to the boats, torpedoes or targets. (Mishap is defined as damage to a boat or target/torpedo in excess of \$100 or injury to

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		preparations in Guam are about 60 hours per mission.	only required to man and operate one PMRF boat. The Government may provide a second boat and crew from NSSC Pearl Harbor boats.	personnel resulting in loss of work time).
3.01.01.05	Depot Level Maintenance Planning for Port Allen Based Boats	The Contractor shall provide Intermediate, Organizational, Depot level maintenance (DLM) planning. Unless this effort is performed by SUPSHIP).	DLM availabilities average 10-12 weeks and have been conducted at shipyards on Oahu. The last several DLM availabilities have been contracted through SUPSHIP and it is anticipated this will continue in the future. Each boat should have an availability scheduled every 4-5 years.	Maintenance package provides all necessary work. Work able to be completed by the Contractor should not be performed by the shipyard unless it will result in a savings of money, higher quality of workmanship, or prevent unnecessary delays.
3.01.01.06	Monthly Marine Systems Report	The Contractor shall submit monthly report by COB on the Fifth working day of the month.	Monthly report should be submitted electronically as a word document to the task manager (CDRL A31-05 - Monthly Marine Systems Report). It should include major accomplishments during the month, corrective and preventative maintenance completed, corrosion control completed and metrics to track engine run hours between overhauls, underway hours, and hours the boats were nonoperational.	All reports are accurate, sufficient details to understand, and submitted on time.
3.01.01.07	Port Allen Shore Facilities Maintenance and Cleaning	The Contractor shall maintain all government furnished equipment by conducting PM and CM. Facilities will be maintained clean and orderly.	PMs and CMs should be accomplished in a similar manner to those on the boats. Regular scheduled facilities cleaning should be accomplished.	GFE is maintained in a ready to use status and all PMs are accomplished as scheduled and CMs performed as needed. The facilities including restrooms will be maintained broom cleaned and sanitary.
3.01.01.08	Refueling Port Allen	The Contractor shall refuel the boats including booming the boat if booming equipment is available. In the event of a fuel spill the Contractor is responsible for	Current refueling procedure is to drive the fueling truck (government furnished vehicle located at Port Allen) on to the pier and refuel the boats from this truck. Fuel spill response equipment is available at Port Allen.	No instances of the boat not being available due to insufficient fuel onboard and no fuel spills. In the event of a fuel spill all required actions are properly taken and



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		all cleanup and fines.		notifications made to cognizant authorities.
3.01.01.09	Boat Monitoring	The Contractor shall provide boat monitoring for fire, safety and flooding seven days a week during non-normal work hours.	During the normal work hours the boat crews and shore staff shall perform this function.	No instances of fire, safety or flooding incident that goes undetected more than 15 minutes.
3.01.02	MPC-2 and MPC-3 Operation and Maintenance	The Contractor shall operate and maintain the MPC-2 and the MPC-3.	The MPC-2 and MPC-3 is powered by twin Caterpillar C-32 engines, C-rated, 1,450 BHP, has a normal cruise speed of 13.0 knots, and a full load maximum speed of 16.7-17.5 knots. It is equipped with two (2) Caterpillar C6.6, 125 kW, a 480 VAC GenSets, and three (3) Sea keeper gyrostabilizers and bow thrusters. Its deck configuration provides an open well deck with six (6) longitudinal rows of torpedo recovery rollers, a 3-position NUWC MK-30 Multi-Launcher, one (1) Starboard and (1) Port DMW Marine Group #40000 EX4 marine telescoping knuckle cranes, and deck space for twelve (12) MK-48 size torpedoes. The MPC-2 and MPC-3 has a nominal range of 1,200 nautical miles. The MPC-2 and MPC-3 has a 97.10 ft. LOA, 28.00 ft. BOA, 7.00 ft. draft, 161 LT full load displacement, and 139 GT molded volume.	100% shall be operated and maintained in accordance with applicable Navy, State, and Federal regulations.
3.01.02.01	MPC-2 and MPC-3 Operation	The Contractor shall operate the MPC-2 and MPC-3 including all associated and installed equipment.	Operations include, but are not limited to, launch and recovery of MK-30 underwater targets, recovery of torpedoes, electronic warfare support, recovery of aerial targets provide escort and personnel transfer for SEPTAR, boundary patrol during rocket launches, range/oceanographic tests using onboard equipment or other equipment installed onboard or towed, acoustic noise trials, and search and rescue. Operations can	Provide range support for 100% of scheduled missions.  Achieve a 0 mishap rate for safe boat operations with no damage to the boats, torpedoes or targets. (Mishap is defined as damage to a boat or target/torpedo in excess of \$100 or injury to

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			<p>take place anywhere within the range of the boats, however, the majority of their support occurs on BARSTUR and BSURE. Operations are usually conducted between dawn and dusk; however travel time between Port Allen and the operational area often requires nighttime marine systems support.</p> <p>One/two boat support required for 100% of the missions.</p>	<p>personnel resulting in loss of work time).</p>
3.01.02.02	MPC-2 and MPC-3 Preventive Maintenance	The Contractor shall perform scheduled preventive maintenance on the MPC-2 and MPC-3.	<p>Inspect and perform PM on MPC-2 and MPC-3 on a routine basis, including corrosion control, in accordance with Government approved maintenance procedures and cycles. Use of regularly scheduled operators is permissible where feasible to perform schedule PM tasks. The Contractor shall provide PM reports that includes maintenance performed, components on MPC-2 and MPC-3 changed and a general statement of the condition of the system and recommendations for future maintenance efforts.</p> <p>If documented preventive maintenance procedures do not exist, or are outdated and/or otherwise inadequate, the Contractor shall develop or revise the relevant procedure.</p>	<p>PM's performed at scheduled intervals within 5 days of the schedule or recommended interval, unless waived by the government Task Manager.</p> <p>Notify the government of MPC-2 and MPC-3 condition abnormality, deficiency, failure or other detected problem.</p>
3.01.02.03	MPC-2 and MPC-3 Corrective Maintenance	The Contractor boat crew shall provide corrective maintenance and repair on MPC-2 and MPC-3.	<p>If documented maintenance procedures do not exist, or are outdated and/or otherwise inadequate, the Contractor shall develop or revise the relevant procedure.</p> <p>Notify the Government of Critical repairs that may render the system inoperable for a scheduled mission.</p>	<p>Contractor notifies the Government of critical corrective maintenance within 1 hour of the discovery unless outside of normal working hours of a need for corrective maintenance and is executed until the repair is complete.</p>

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<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
			Government shall provide all Marine Engineering support in regards to computer/automation software and hardware troubleshooting, software/firmware upgrades, and repairs.	<p>For non-critical problems, timeliness shall be interpreted as commencing repairs no sooner than conclusion of the exercise but no later than 5 days after the mission is completed.</p> <p>Procure parts as soon as the parts requirements are identified, progress the repair upon receipt of sufficient parts to proceed with the repair.</p> <p>Timeliness requirements may be waived by the Government Task Manager. Timeline to commence any repair is dependent upon timely Marine engineering support from the Government.</p>
3.01.02.04	MPC-2 and MPC-3 Corrosion Control and Preservation	The Contractor shall provide Corrosion Control and preservation for the MPC-2 and MPC-3.	The Contractor shall conduct corrosion control and preservation for all topside and below deck spaces.	There shall be no failures due to insufficient corrosion control and there should be less than 2% of the craft that requires corrosion control at any time.
3.01.02.05	MPC-2 and MPC-3 Mooring	The Contractor shall provide and maintain mooring lines to safely secure the boat to its assigned berth.	Normally the MPC-2 and MPC-3 are berthed at Port Allen with heavy weather berthing available at Nawiliwili Harbor.	There are no instances of damage to the boat from improper mooring and no instances of the boat breaking lose from the berth. Mooring lines and rigging shall be maintained in proper

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<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
				working order so that they can handle the safe working load limits for which they were designed.
3.01.02.06	MPC-2 and MPC-3 Pre-Op and Post Event Support	The Contractor shall load MK-30 targets or other equipment as required including installation of temporary modifications. After the Op off load MK-30, torpedoes, or other equipment as required including restoration of temporary modifications.		Loads/offloads and temporary equipment installs/removals are conducted such they do not impact the boats availability to meet a scheduled mission. Vessel shall be washed down with freshwater upon returning to port.
3.01.02.07	MPC-2 and MPC-3 Cleanliness	The Contractor shall maintain the MPC-2 clean and stowed for sea.	The MPC-2 and MPC-3 shall be cleaned to a standard consistent with US Navy Small Craft. Unless the boat is made unavailable (OOC), it will be maintained stowed for sea at the completion of each day.	The vessel shall be maintained in a neat sanitary condition with all loose gear, equipment and tools stowed in a safe, secure, and orderly fashion. The national ensign shall be clean and not tattered. Spaces will be maintained in a neat, clean, oil-free condition with the bilges dry, or at a minimum practical level, and oil-free. Meet acceptable standards 95% of the time.
3.01.03	WRB-102 Operation and Maintenance	The Contractor shall operate and maintain the WRB-102.	The WRB-102 is powered by twin Detroit Diesel 16V71 naturally aspirated engines and have a normal cruise speed of 14 knots. The deck configuration provides a large central torpedo retrieval well with a hydraulically operated tailgate, a MK-30 Rack Launcher, and deck space for 8 MK-48 size torpedoes. WRB-102 has a nominal range of 200 miles.	100% shall be operated and maintained in accordance with applicable Navy, State, and Federal regulations.
3.01.03.01	WRB-102	The Contractor shall operate	Operations include, but are not limited to,	Provide range support for

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	Operation	the WRB-102 including all associated and installed equipment.	<p>launch and recovery of MK-30 underwater targets, recovery of torpedoes, electronic warfare support, recovery of aerial targets provide escort and personnel transfer for SEPTAR, boundary patrol during rocket launches, range/oceanographic tests using onboard equipment or other equipment installed onboard or towed, acoustic noise trials, and search and rescue. Operations can take place anywhere within the range of the boats, however, the majority of their support occurs on BARSTUR and BSURE. Operations are usually conducted between dawn and dusk; however travel time between Port Allen and the operational area often requires nighttime marine systems support.</p> <p>One/two boat support required for 100% of the missions.</p>	<p>100% of scheduled missions.</p> <p>Achieve a 0 mishap rate for safe boat operations with no damage to the boats, torpedoes or targets. (Mishap is defined as damage to a boat or target/torpedo in excess of \$100 or injury to personnel resulting in loss of work time).</p>
3.01.03.02	WRB-102 Preventive Maintenance	The Contractor shall perform scheduled preventive maintenance on the WRB-102.	<p>Inspect and perform PM on the WRB-102 on a routine basis, including corrosion control, in accordance with Government approved maintenance procedures and cycles. Use of regularly scheduled operators is permissible where feasible to perform schedule PM tasks. The Contractor shall provide PM reports that include maintenance performed, components on WRB-102 changed and a general statement of the condition of the system and recommendations for future maintenance efforts.</p> <p>If documented preventive maintenance procedures do not exist, or are outdated and/or otherwise inadequate, the Contractor shall develop or revise the relevant procedure.</p>	<p>PM's performed at scheduled intervals within 5 days of the schedule or recommended interval, unless waived by the government Task Manager.</p> <p>Notify the government of WRB-102 condition abnormality, deficiency, failure or other detected problem.</p>

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<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3.01.03.03	WRB-102 Corrective Maintenance	The Contractor shall provide corrective maintenance and repair on the WRB-102.	<p>If documented maintenance procedures do not exist, or are outdated and/or otherwise inadequate, the Contractor shall develop or revise the relevant procedure.</p> <p>Notify the Government of Critical repairs that may render the system inoperable for a scheduled mission.</p> <p>Government shall provide all Marine Engineering support in regards to computer/automation software and hardware troubleshooting, software/firmware upgrades, and repairs.</p>	<p>All repairs will support at a minimum 180 days of operations without further maintenance.</p> <p>Contractor notifies the Government of critical corrective maintenance within 1 hour of the discovery unless outside of normal working hours of a need for corrective maintenance and is executed until the repair is complete.</p> <p>For non-critical problems, timeliness shall be interpreted as commencing repairs no sooner than conclusion of the exercise but no later than 5 days after the mission is completed.</p> <p>Procure parts as soon as the parts requirements are identified, progress the repair upon receipt of sufficient parts to proceed with the repair.</p> <p>Timeliness requirements may be waived by the Government Task Manager. Timeline to commence any repair is dependent upon timely Marine engineering support from the Government.</p>

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<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
3.01.03.04	WRB-102 Corrosion Control and Preservation	The Contractor shall provide Corrosion Control and preservation for the WRB-102.	Contractor shall conduct corrosion control and preservation for all topside and below deck spaces.	There shall be no failures due to insufficient corrosion control and there should be less than 2% of the craft that requires corrosion control at any time.
3.01.03.05	WRB-102 Mooring	The Contractor shall provide and maintain mooring lines to safely secure the boat to its assigned berth.	Normally the WRB-102 is berthed at Port Allen with heavy weather berthing available at Nawiliwili Harbor.	There are no instances of damage to the boat from improper mooring and no instances of the boat breaking lose from the berth. Mooring lines and rigging shall be maintained in proper working order so that they can handle the safe working load limits for which they were designed.
3.01.03.06	WRB-102 Pre-Op and Post Event Support	The Contractor shall load MK-30 targets or other equipment as required including installation of temporary modifications. After the Op off load MK-30, torpedoes, or other equipment as required including restoration of temporary modifications.		Loads/offloads and temporary equipment installs/removals are conducted such they do not impact the boats availability to meet a scheduled mission. Vessel shall be washed down with freshwater upon returning to port.
3.01.03.07	WRB-102 Cleanliness	The Contractor shall maintain the WRB-102 clean and stowed for sea.	The WRB-102 will be cleaned to a standard consistent with US Navy Small Craft. Unless the boat is made unavailable (OOC) it will be maintained stowed for sea at the completion of each day.	The vessel shall be maintained in a neat sanitary condition with all loose gear, equipment and tools stowed in a safe, secure, and orderly fashion. The national ensign shall be clean and not tattered. Spaces will be maintained in a neat, clean, oil-free condition with the



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<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
				bilges dry, or at a minimum practical level, and oil-free. Meet acceptable standards 95% of the time.
3.01.04	Deleted - Reserved			
3.01.04.01	Deleted - Reserved			
3.01.04.02	Deleted - Reserved			
3.01.04.03	Deleted - Reserved			
3.01.04.04	Deleted - Reserved			
3.01.05	MATSS Tug Towing Services	The Contractor shall provide tug towing services for MATSS.	<p>The MATSS is a converted, 256 foot dry-dock section used as a mobile sensor support system.</p> <p>The MATSS has a WB-COSIP radar and an optical system on board. Pointing data for the radar and optics is provided from the PMRF iNet through an INMARSAT and VSAT over-the-horizon link. The MATSS has a communications suite including: HF and UHF/VHF radio systems, mini-M, cellular phone, telephone/paging/intercom system, sound powered phone system, VSAT, INMARSAT, and a Local Area Network (LAN). MATSS has facilities for 36 people for 21 days. It is estimated that MATSS will go to sea 6-8 times a year. Each trip will last on (1) to twenty (20) days.</p> <p>The MATSS is berthed at the Naval Inactive Ships Maintenance Organization (NISMO) at Pearl Harbor, Oahu, Hawaii.</p>	<p>No MATSS required mission is delayed or proceeds with MATSS due to failure of towing service. Weather including sea state is an acceptable reason to delay MATSS tow only if they are outside of those limits placed on MATSS.</p> <p>The tug shall tow MATSS at 6.5-7.5 knots in Sea State 3, true winds on the bow of 30 knots and going into the seas when transiting to/from NISMO and testing location.</p>
3.02	Deleted - Reserved			
3.02.01	Deleted – Reserved			
3.02.01.01	Deleted – Reserved			
3.02.01.02	Deleted –			

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<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
	Reserved			
3.02.01.03	Deleted – Reserved			
3.02.01.04	Deleted – Reserved			
3.02.01.05	Deleted – Reserved			
3.02.01.06	Deleted – Reserved			
3.02.01.07	Deleted – Reserved			
3.02.01.08	Deleted – Reserved			
3.02.02	Deleted – Reserved			
3.02.02.01	Deleted – Reserved			
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3.02.02.06	Deleted – Reserved			
3.02.02.07	Deleted – Reserved			
3.02.03	Deleted – Reserved			
3.02.03.01	Deleted – Reserved			
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3.02.03.03	Deleted –			

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<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
	Reserved			
3.02.03.04	Deleted – Reserved			
3.02.03.05	Deleted – Reserved			
3.02.03.06	Deleted – Reserved			
3.02.03.07	Deleted – Reserved			

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<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4	IDIQ Work	<p>The Contractor shall perform IDIQ work ordered in this Annex or any other Annex in this PWS.</p> <p>Any work that is specified within Spec Item 3 of any Annex or any work that is considered within the scope of this contract can be ordered and funded as an IDIQ task order.</p>	<p>PROCEDURES FOR ISSUING ORDERS clause in Section G. The order will specify the exact locations and types of work to be accomplished. The period of performance will be specified in each order.</p> <p>Tasks include, but are not limited to reimbursable work such as T&amp;E, Surges and other efforts outside of scope identified in Spec Item 3.</p> <p>Refer to IDIQ ELINs for task listings, descriptions, and related requirements. All periods of performance are measured from issue date of order to acceptance of the work. Performance standards for IDIQ work will be the same as those in Spec Item 3 where applicable.</p> <p>Specific IDIQ indicated in Spec Item 4 are intended to be illustrative of the type of work that can be expected to be ordered under the IDIQ provisions of this contract. However, frequency of occurrence and exact scope of the task order will only be defined as the need arises.</p>	
4.01	Surge	Surge Requirements	Provide Marine Service Support to any location or locations as task by the Government not already included in Spec Item 3.	Performance Standards are determined at the time of the issuance of the delivery order.

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<b>Spec Item</b>	<b>Title</b>	<b>Performance Objective</b>	<b>Related Information</b>	<b>Performance Standard</b>
4.02	Depot Level Maintenance (DLM)	The Contractor shall provide sufficient manning on the boat during DLM to operate systems, provide quality assurance, and complete all required checkpoint signoffs. Contractor shall perform all depot level maintenance.	DLM availabilities average 10-12 weeks and have been conducted at shipyards on Oahu.	DLM work is not delayed due to non-availability of boat crews. All DLM work is completed to an acceptable workmanship standard and boat crew participates in all check points/quality control sign offs.
4.03	Boat Records	The Contractor shall update boat records correcting errors from maintenance or modifications prior to commencement of this contract.	There may be instances that require the current boat records to be updated because of an omission prior to this contract.	The records will be updated within 30 days unless otherwise agreed by the government and Contractor.
4.04	Ship Hulk Targets	The Contractor shall provide in-port remote command control and monitoring, maintenance, and repair services to range instrumentation and ancillary support equipment installed on the Hulk targets.	The ship hulk targets are berthed at Naval Inactive Ship Maintenance Facility (NISMF) on Oahu. THIRDFLT and Special Projects use Ship Hulks (EX-USS XX) as surface targets for weapons firing and evaluations. The ship hulk target hulls are maintained by NISMF. These targets are normally towed from port in Oahu to the op-area and set adrift for the firing exercise and are usually configured with electronic warfare, communication, and other equipment to simulate a target of interest or to collect specific data. Commercial, Navy, and MSC tugs are used to move the ship target hulks to and from the range. Ship hulk targets are usually deployed 2 to 4 times per year.	No failures due to installation errors. Work is performed so as not to impact range operations.
4.05	Deleted – Reserved			

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188					
<p>The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. <b>Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.</b></p>											
A. CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY: TDP ____ TM ____ OTHER <u>X</u>							
D. SYSTEM/ITEM Marine Systems		E. CONTRACT/PR NO. N00604-09-D-0001		F. CONTRACTOR Manu Kai LLC							
1. DATA ITEM NO. A31-05		2. TITLE OF DATA ITEM SCIENTIFIC AND TECHNICAL REPORTS			3. SUBTITLE Monthly Marine Systems Report						
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80711			5. CONTRACT REFERENCE PWS Spec Item 3.1.1.6		6. REQUIRING OFFICE PMRF N64						
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED		10. FREQUENCY MONTHLY		12. DATE OF FIRST SUBMISSION 1 DARP					
8. APP CODE N/A		11. AS OF DATE EDC		13. DATE OF SUBSEQUENT SUBMISSION 1 DARP		14. DISTRIBUTION					
				a. ADDRESSEE		b. COPIES					
						Draft					
						Final					
						Reg					
						Repro					
16. REMARKS Blk 4: Tailor DID as follows: Contractor Format authorized provided that the DID is used as a guideline.  Blk 9: Distribution Statement C: Distribution authorized to US Government agencies and their contractors; Administrative or Operational Use; 01 Oct 98. Other requests for this document shall be referred to the Pacific Missile Range Facility, Code N64, Barking Sands, HI.				PMRF N64		1					
								15. TOTAL		1	
				G. PREPARED BY PACIFIC MISSILE RANGE FACILITY, COR OFFICE, BARKING SANDS, KEKAHA, HI 96752-0128		H. DATE		I. APPROVED BY CHAIRPERSON, AR/DRRB		J. DATE	

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

Date Submitted

## Marine Systems-31, Month, Year Monthly Report:

### Overview:

Highlight the month's accomplishments and problems.

### Cost Savings:

Identify any cost savings efforts and estimated savings

### Shore Side

Summary of shore side work.

### WRB-102, MPC-2, MPC-3

Summary of boat work, list each boat separately

### METRICS

	PM HRS	YTD PM/HRS	CM HRS	YTD CM HRS	CC HRS	YTD CC HRS
Shore						
WRB-102						
MPC-2						
MPC-3						
TOTAL						

	FUEL	YTD FUEL	DAYS OOO	YTD OOO	DAYS OVHL	YTD OVHL
WRB-102						
MPC-2						
MPC-3						
TOTAL						

### General Stats

	Month	YTD
Work Days		
Holidays		
2 Boat Days		
1 Boat Days		
Total Boat Days		
Wkend Days Worked		
Holidays Worked		
C/S 1st 40 hrs		



C/S adj start time hrs		
Cost Savings other		

## Cost

	Total Month Cost	Total FY Cost	Estimated FY Cost
Full Time Labor			
Overtime Labor			
CAT III Labor			
Total Labor			
Travel			
Materials			
Other ODC			
Total ODC			
<b>TOTAL COST</b>			

## Recoveries

	MK-30	YTD MK-30	MK-54	YTD MK-54	MK-46	YTD MK-46	MK-48	YTD MK-48
WRB-102								
MPC-2								
MPC-3								
<b>TOTAL</b>								